

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

1. (Currently Amended) A method of creating a template, said method comprising:

positioning a diamond-like composition layer on a body, forming said template, ~~said diamond-like composition having properties sufficient to be substantially transmissive of a predetermined wavelength and provide said template with a predetermined surface energy to minimize adhesion to a material in contact with said template~~; and

patterning said diamond-like composition layer to include a plurality of protrusions and recesses, ~~defining a patterning surface of said template, with said diamond like-composition layer having properties sufficient to be substantially transmissive of a predetermined wavelength and provide said patterning surface with a contiguous predetermined surface energy to minimize adhesion between said template and a material in contact therewith~~.

2. (Currently Amended) The method as recited in claim 1 wherein positioning further includes positioning said diamond-like composition layer from a set of diamond-like compositions consisting of diamond-like carbon (DLC) and diamond-like nano-composites.

3. (Cancelled)

4. (Original) The method as recited in claim 1 wherein said predetermined wavelength includes UV light.

5. (Cancelled)

6. (Currently Amended) The method as recited in claim 1 further including doping said diamond-like composition layer with electrically conductive elements.

7. (Currently Amended) The method as recited in claim 1 further including depositing an electrically conductive layer upon said template before positioning said diamond-like composition layer.

8. (Currently Amended) The method as recited in claim 1 further including depositing an electrically conductive layer upon said template before positioning said diamond-like composition layer and patterning said diamond-like composition layer to selectively expose regions of said electrically conductive layer.

9. (Original) The method as recited in claim 1 further including forming said template from a fused-silica.

10. (Currently Amended) A method of creating a template, said method comprising:

positioning a diamond-like composition layer on a body, forming said template, ~~said diamond-like composition having properties sufficient to provide said template with a predetermined surface energy to minimize adhesion to a material in contact with said template~~; and

patterning said diamond-like composition layer to includes a plurality of features, defining a patterning surface of said template, with said diamond-like composition layer having a first thickness sufficient to be substantially transmissive of a predetermined wavelength and said plurality of features having a second thickness to define a pattern in said a material, with said diamond-like composition layer further having properties to provide said patterning surface with a contiguous predetermined surface energy to minimize adhesion between said template and said material.

11. (Currently Amended) The method as recited in claim 10 wherein positioning further includes positioning said diamond-like composition layer from a set

of diamond-like compositions consisting of diamond-like carbon (DLC) and diamond-like nano-composites.

12. (Original) The method as recited in claim 10 wherein said predetermined wavelength includes UV light.

13. (Currently Amended) The method as recited in claim 10 further including doping said diamond-like composition layer with electrically conductive elements.

14. (Currently Amended) The method as recited in claim 10 further including depositing an electrically conductive layer upon said template before positioning said diamond-like composition layer.

15. (Currently Amended) The method as recited in claim 10 further includes patterning said diamond-like composition layer to selectively expose regions of said electrically conductive layer.

16. (Currently Amended) A method of creating a template, said method comprising:

positioning a diamond-like composition layer on a body, forming said template, ~~said diamond-like composition having properties sufficient to be substantially transmissive of said predetermined wavelength and provide said template with a predetermined surface energy to minimize adhesion to a material in contact with said template;~~

forming an electrically conductive layer between said body and said diamond-like composition layer having properties to be substantially transmissive of a predetermined wavelength; and

patterning said diamond-like composition layer to includes a plurality of protrusions and recesses and selective expose portions of said electrically conductive layer, ~~defining said patterning surface of said template, with said diamond-like composition layer having properties sufficient to be substantially transmissive of a~~

predetermined wavelength and provide said patterning surface with a contiguous predetermined surface energy to minimize adhesion between said template and a material in contact therewith.

17. (Currently Amended) The method as recited in claim 16 wherein positioning further includes positioning said diamond-like composition layer from a set of diamond-like compositions consisting of diamond-like carbon (DLC) and diamond-like nano-composites.

18. (Previously Presented) The method as recited in claim 16 wherein said predetermined wavelength includes UV light.

19. (Currently Amended) The method as recited in claim 16 further including depositing an electrically conductive layer upon said template before positioning said diamond-like composition layer.

20 – 28. (Cancelled)

29. (Currently Amended) The method as recited in claim 1 wherein positioning further includes positioning said diamond-like composition layer from diamond-like carbon (DLC), wherein said surface energy of said diamond-like carbon (DLC) is in a range of 25 to 40 milli-Newton per meter.

30. (Currently Amended) The method as recited in claim 10 wherein positioning further includes positioning said diamond-like composition layer from diamond-like carbon (DLC), wherein said surface energy of said diamond-like carbon (DLC) is in a range of 25 to 40 milli-Newton per meter.

31. (Currently Amended) The method as recited in claim 16 wherein positioning further includes positioning said diamond-like composition layer from

diamond-like carbon (DLC), wherein said surface energy of said diamond-like carbon (DLC) is in a range of 25 to 40 milli-Newton per meter.

32. (Currently Amended) The method as recited in claim 1 wherein positioning further includes positioning said diamond-like composition layer from diamond-like nano-composites, wherein said surface energy of said diamond-like nano-composites is in a range of 30.31 to 32.71 milli-Newton per meter.

33. (Currently Amended) The method as recited in claim 10 wherein positioning further includes positioning said diamond-like composition layer from diamond-like nano-composites, wherein said surface energy of said diamond-like nano-composites is in a range of 30.31 to 32.71 milli-Newton per meter.

34. (Currently Amended) The method as recited in claim 16 wherein positioning further includes positioning said diamond-like composition layer from diamond-like nano-composites, wherein said surface energy of said diamond-like nano-composites is in a range of 30.31 to 32.71 milli-Newton per meter.

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